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Parallelizing I/O-intensive image access and processingapplications

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Abstract
This article presents methods and tools for building parallel applications based on commodity components: PCs, SCSI Windows NT. Chief among these tools is CAP, our computer-aided parallelization tool. CAP generates highly pipelined communication and I/O operations in parallel with processing operations. One of CAP's successes is the Visible Human tomographic image server that allows clients to choose and view any cross section of the human body

Index Terms:
Inspec

Controlled Indexing

image processing   multimedia servers   parallel programming   software tools

Non-controlled Indexing

3D tomographic image server   CAP   I/O-intensive image access   Visible Human Slice Server   computer ai
parallelization tool   human body   parallel applications   pipelined applications

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